Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/20/2021 09:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124738	-1	1.74	124660	1.74
Blue	F	SSC	125000	122046	-3	2.53	122355	2.36
Blue	E	FITC	13131	12679	-4	2.68	291	15.99
Blue	D	PE	24112	23589	-3	2.2	539	11.01
Blue	B	PerCP-Cy5-5	31295	30568	-3	3.39	1012	14.66
Blue	A	PE-Cy7	19939	19846	-1	5.5	527	29.33
Red	C	APC	42122	41264	-3	2.83	1730	11.57
Red	A	APC-Cy7	22340	21824	-3	3.11	817	11.8
Violet	B	V450	7410	7026	-6	3.31	425	12.53
Violet	A	V500	28118	27009	-4	2.83	672	9.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22879	2.39	583	14	N/A	N/A	Pass
Blue	F	SSC	56957	1.37	519	7	N/A	N/A	Pass
Blue	E	FITC	54	54.62	486	-1	0.0388	89	Pass
Blue	D	PE	112	37.53	489	1	0.3922	292	Pass
Blue	B	PerCP-Cy5-5	188	35.94	586	0	0.0197	66	Pass
Blue	A	PE-Cy7	107	69.19	630	2	0.0221	7	Pass
Red	C	APC	401	24.48	580	4	0.0267	189	Pass
Red	A	APC-Cy7	182	27.86	556	5	0.0060	991	Pass
Violet	B	V450	59	64.25	461	8	0.0624	2400	Pass
Violet	A	V500	97	33.28	473	8	0.0261	731	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.57	-31.30	1.00
Blue	20.34	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.21	13.60 - 20.40	N/A	N/A	29.70	29.94	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 15159

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments